

081-WY8-1007
Administer the Smallpox Vaccine
Status: Approved

Security Classification: U - Unclassified

Distribution Restriction: Approved for public release; distribution is unlimited.

Destruction Notice: None

Foreign Disclosure: FD1 - This training product has been reviewed by the training developers in coordination with the Joint Base San Antonio, Fort Sam Houston/US Army Medical Center of Excellence foreign disclosure officer. This training product can be used to instruct international military students from all approved countries without restrictions.

Conditions: You are a healthcare specialist in a medical treatment facility (MTF) and have received a provider's order to administer smallpox vaccine to a patient. You will need smallpox vaccine with diluent, smallpox package (includes briefing, screening evaluation and educational materials - current vaccine information statement (VIS), Department of Defense (DoD) smallpox trifold brochure, wound/site care instructions, and other handouts as appropriate), prescription for the smallpox vaccine, immunization record, medical records, bifurcated needle, 21 gauge needle, alcohol pads, sterile 2x2 gauze, sterile 4x4 gauze, nonocclusive bandage to cover the site according to local standard operating procedure (SOP), alcohol based hand sanitizer or soap and water, biohazard waste dispenser, sharps container, 1:10 bleach solution for possible spills, nonsterile gloves and personal protective equipment (PPE), Center for Disease Control (CDC) Form 731, International Certificate of Vaccination or Prophylaxis, Standard Form (SF) 601, Immunization Record, and SF 600, Chronological Record of Medical Care, or equivalent. This task should not be trained in MOPP 4.

Standards: Administer the smallpox vaccination to the patient without causing harm to the patient, while utilizing the GO & NO-GO criteria, In Accordance With IAW AR 40-562, Immunizations and Chemoprophylaxis for the Prevention of Infectious Diseases.

Special Conditions: None

Safety Risk: Low

MOPP 4: Never

Task Statements

Cue: None

DANGER

None

WARNING

None

CAUTION

None

Remarks: None

Notes: For non-APD references contact your training NCO and or check with the MOS library.

Performance Steps

1. Verify the patient's identity.

2. Review medical record for provider order and smallpox screening questionnaire, SF 600 Chronological Record of Medical Care Smallpox Vaccination Screening form.

Note: Refer back to task 081-WY8-2018 Screen Records for Indication and Contra Indications to Vaccines.

3. Provide educational materials including most current VIS, DoD smallpox trifold, and other information as needed.

4. Confirm patient understanding and refer to the provider or nurse in charge if any questions or concerns.

Note: Before a health care provider vaccinates a child or adult, the provider is required by federal law to give the VIS. Make sure you give the patient time to read the VIS before giving the vaccine. You must record in the patient's medical records the date the VIS was given, as well as the publication date of the VIS.

5. Document VIS publication date, date given, and other educational material given.

6. Gather supplies.

a. Smallpox vaccine (ACAM2000).

b. Bifurcated needle.

c. Alcohol pads.

d. Sterile 2x2.

e. Nonocclusive bandage.

f. Disposable, nonsterile gloves.

g. Hand sanitizer.

h. DOD smallpox trifold.

i. Biohazard waste and sharps container.

7. Inspect the vaccine and diluent for discoloration or particulate matter.

Note: Do not use if discolored or if particulate matter is noticed.

8. Check the expiration date on the vaccine and diluent.

9. Wash or sanitize your hands.

10. Don nonsterile, disposable gloves and/PPE.

11. Reconstitute the ACAM2000 (smallpox) vaccine with 0.3 milliliters (mL) diluent provided with the vaccine, according to the package insert.

a. The vaccine vial and diluent should be removed from cold storage and brought to room temperature before reconstitution.

b. Remove the flip cap seal on the vaccine vial and diluent.

c. Wipe each rubber stopper of the vaccine and diluent with isopropyl alcohol and allow to dry.

d. Using aseptic technique and a sterile 1 mL syringe fitted with a 25 gauge x 5/8" needle (provided), draw up 0.3 mL of diluent and transfer the entire content of the syringe to the vaccine vial.

e. Gently swirl to mix but try not to get product on the rubber stopper.

Note: The reconstituted vaccine should be a clear to slightly hazy, colorless to straw-colored liquid free from extraneous matter.

f. Reconstituted vaccine should be inspected visually for particulate matter and discoloration prior to administration. If particulate matter or discoloration is observed, the vaccine should not be used and the vial should be disposed safely.

g. Record the date of reconstitution.

h. Store the reconstituted vaccine at 2° to 8° Celsius (36° to 46° Fahrenheit) when not in actual use.

Note: Store the smallpox vaccine for no more than 30 days after reconstitution, after which it should be discarded as biohazardous material.

12. Administer the smallpox vaccine.

a. Select the site. The site of vaccination is the upper arm over the insertion of the deltoid muscle. No skin preparation should be performed unless the skin at the intended site of vaccination is obviously dirty, in which case an alcohol swab(s) may be used to clean the area. If alcohol is used, the skin must be allowed to dry thoroughly to prevent inactivation of the live vaccine virus by the alcohol.

b. Don gloves.

c. Remove the vaccine vial cap.

d. Remove bifurcated needle from individual wrapping.

e. Submerge bifurcated end of needle in reconstituted vaccine solution. The needle will pick up a droplet of vaccine (0.0025 mL) within the fork of the bifurcation.

f. Use aseptic technique, deposit the droplet of vaccine onto clean, dry skin of the arm prepared for vaccination.

Note: The needle is held between thumb and first finger perpendicular to the skin. The wrist of the hand holding the needle of the vaccinator rests against the patient's arm.

g. Rapidly make 15 jabs of the needle perpendicular to the skin through the vaccine droplet to puncture the skin, within a diameter of about 5 mm. The jabs should be vigorous enough so that a drop of blood appears at the vaccination site.

h. Discard the needle in a biohazard sharps container.

i. Close the vaccine vial by reinserting the rubber cap and return to the refrigerator.

j. Cover the vaccination site loosely with a bandage according to local SOP.

13. Remove gloves.

14. Dispose of them into the biohazard waste bag.

15. Perform hand wash.

16. Document the date, lot number, manufacturer, and site of the vaccination on CDC Form 731, SF 601, SF 600, or equivalent.

17. Instruct the patient about vaccination site care.

18. Instruct the patient when and where to return for vaccination site inspection.

(Asterisks indicates a leader performance step.)

Evaluation Guidance: Score each Soldier according to the performance measures in the evaluation guide. Unless otherwise stated in the task summary, the Soldier must pass all performance measures to be scored GO. If the Soldier fails any step, show what was done wrong and how to do it correctly.

Evaluation Preparation: You must evaluate the Soldier on their performance of this task in an operational condition related to the actual task.

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. Verified the patient's identity.			
2. Reviewed medical record for provider order and smallpox screening questionnaire, SF 600 Chronological Record of Medical Care Smallpox Vaccination Screening form.			
3. Provided educational materials including most current VIS, DoD smallpox trifold, and other information as needed.			
4. Confirmed patient understanding and refer to the provider or nurse in charge if any questions or concerns.			
5. Documented VIS publication date, date given, and other educational material given.			
6. Gathered supplies			
7. Inspected the vaccine and diluent for discoloration or particulate matter.			
8. Checked the expiration date on the vaccine and diluent.			
9. Washed or sanitized your hands.			
10. Donned nonsterile, disposable gloves and/or PPE.			
11. Reconstituted the ACAM2000 (smallpox) vaccine with 0.3 milliliters (mL) diluent provided with the vaccine, according to the package insert.			
12. Administered the smallpox vaccine.			
13. Removed gloves.			
14. Disposed of them into the biohazard waste bag.			
15. Performed hand wash.			
16. Documented the date, lot number, manufacturer, and site of the vaccination on CDC Form 731, SF 601, SF 600, or equivalent.			
17. Instructed patient about vaccination site care.			
18. Instructed the patient when and where to return for vaccination site inspection.			

Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary	Source Information
	AR 40-562	Immunizations and Chemoprophylaxis for the Prevention of Infectious Diseases	Yes	Yes	
	Center for Disease Control (CDC) Form 731	International Certificate of Vaccination or Prophylaxis	Yes	No	
	LOCAL SOP	LOCAL SOP	Yes	No	
	SF 600	CHRONOLOGICAL RECORD OF MEDICAL CARE	Yes	No	
	SF 601	Health Record - Immunization Record	Yes	No	

TADSS : None

Equipment Items (LIN): None

Materiel Items (NSN) :

Step ID	NSN	LIN	Title	Qty
	6505-01-499-9118		Smallpox Vaccine, USP, 500 Dose Vial	1
	6510-01-N02-1122		Non-occlusive bandage	1
	6515-01-B02-0001		Bifurcated needle	1
	6515-00-059-5781		Needle, Hypodermic, 22 Gage Cannula 100S	1
	101-2344, HENRY SCHEIN		GAUZE, BANDAGE 4" X 4 YDS, 100S	1
	6510-00-584-4421		GAUZE 2X2	1
	6510-00-111-0708		Telfa Pad, Small	1
	6510-00-786-3736		Pad, Isopropyl Alcohol Impregnated, Small	1
	4240-01-493-5286		Disposable Gloves, Blue Nitrile, Powder Free, Extra Large	1
	6530-01-529-6546		Disposable Container, Sharps, 8 Gallon	1
	6505-01-559-0815		Smallpox Live Vaccinia Vaccine, ACAM 2000, 0.0025ML, 3ML Vial	1
	8105-01-368-6495		BAG, BIOHAZARD DISPOSAL	1
	8520-01-501-5142		Hand Sanitizer, Antimicrobial	1
1.	6510-00-111-0708		Telfa Pad, Small	1
1.	6510-00-786-3736		Pad, Isopropyl Alcohol Impregnated, Small	1

Environment: Environmental protection is not just the law but the right thing to do. It is a continual process and starts with deliberate planning. Always be alert to ways to protect our environment during training and missions. In doing so, you will contribute to the sustainment of our training resources while protecting people and the environment from harmful effects. Refer to the current Environmental Considerations manual and the current GTA Environmental-related Risk Assessment card.

Safety: In a training environment, leaders must perform a risk assessment in accordance with current Risk Management Doctrine. Leaders will complete the current Deliberate Risk Assessment Worksheet in accordance with the TRADOC Safety Officer during the planning and completion of each task and sub-task by assessing mission, enemy, terrain and weather, troops and support available-time available and civil considerations, (METT-TC). Note: During MOPP training, leaders must ensure personnel are monitored for potential heat injury. Local policies and procedures must be followed during times of increased heat category in order to avoid heat related injury. Consider the MOPP work/rest cycles and water replacement guidelines IAW current CBRN doctrine.

Prerequisite Individual Tasks : None

Supporting Individual Tasks : None

Supported Individual Tasks : None

Supported Collective Tasks : None

Knowledges :

Knowledge ID	Knowledge Name
081-VC-68T-KN0044	Side effects of medication administered.
081-VC-68T-KN0240	Vaccine types.

Skills :

Skill ID	Skill Name
S8522	Administer medications.

ICTL Data : None